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**DIRECTED ASBESTOS  
BULK SAMPLING REPORT**

**WSTM Transmitter Building**  
3623 Sentinell Heights Road  
Lafayette, New York 13084

Arctic Project Number: 1500.211

Prepared by:



**ARCTIC ENTERPRISES, INC.**  
222 Teall Ave, Suite 201, Syracuse, New York 13210

September 22, 2015

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## DIRECTED ASBESTOS BULK SAMPLING REPORT

**WSTM Transmitter Building**  
3623 Sentinell Heights Road  
Lafayette, New York 13084

***Prepared for:***

Mr. Kevin Tubbs  
CNY Central  
1030 James Street  
Syracuse, New York 13203

***Author:***

Name: Dave Mara

Signature:



Title: Industrial Hygienist

Project Number: 1500.211

Report Status: FINAL

Date: September 22, 2015

Prepared by: Arctic Enterprises, Inc.

222 Teall Avenue

Suite 201

Syracuse, New York 13210

Telephone: 315.476.1757

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[www.arcticent.com](http://www.arcticent.com)

***Reviewed by:***

Name: Janette Van Wie

Signature:



Title: President/CEO

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### **ATTACHMENTS**

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- Attachment B: Asbestos Bulk Sample Laboratory Results

**DIRECTED ASBESTOS BULK SAMPLING REPORT**  
**WSTM Transmitter Building**  
3623 Sentinell Heights Road, Lafayette, New York

## 1.0 INTRODUCTION

In accordance with your request, Arctic Enterprises, Inc. (Arctic) was retained by WSTM to collect bulk samples of suspect asbestos-containing materials from the WSTM Transmitter Building, located at 3623 Sentinell Heights Road, in Lafayette, New York.

## 2.0 ASBESTOS BULK SAMPLING RESULTS

The asbestos bulk samples were collected by Ms. Bridget Ruane, a New York State Department of Labor (NYSDOL) certified Asbestos Building Inspector. A total of seventeen (17) samples were collected. Post collection, the samples were labeled and sent to AmeriSci New York, an approved environmental laboratory for analysis. The table below summarizes the results:

**Table 1 – ASBESTOS BULK SAMPLE LABORATORY RESULTS**

<b>SAMPLE NUMBER</b>	<b>SAMPLE LOCATION</b>	<b>MATERIAL DESCRIPTION</b>	<b>ASBESTOS CONTENT</b>
JC-001 A	Fan Room – East Wall	Joint Compound	NAD
JC-001 B	Fan Room – East Wall	Joint Compound	NAD
SR-002 A	Fan Room – East Wall	Sheetrock	NAD
SR-002 B	Fan Room – East Wall	Sheetrock	NAD
BINS-003 A	Kitchen: Within Walls	Blown-in Insulation	NAD
BINS-003 B	Kitchen: Within Walls	Blown-in Insulation	NAD
BINS-003 C	Kitchen: Within Walls	Blown-in Insulation	NAD
CT-004 A	Office – North Wall	1'x1' Pinhole Ceiling Tile	NAD
CT-004 B	Office – North Wall	1'x1' Pinhole Ceiling Tile	NAD
MAS-005 A	Storage Room – South	Black Mastic @ Rolled Fiberglass	NAD
MAS-005 B	Storage Room – South	Black Mastic @ Rolled Fiberglass	NAD
FTMAS-006 A	Office	Black Floor Tile Mastic	NAD
FTMAS-006 B	Office	Black Floor Tile Mastic	NAD

**DIRECTED ASBESTOS BULK SAMPLING REPORT**  
**WSTM Transmitter Building**  
3623 Sentinell Heights Road, Lafayette, New York

**Table 1 – ASBESTOS BULK SAMPLE LABORATORY RESULTS**

<b>SAMPLE NUMBER</b>	<b>SAMPLE LOCATION</b>	<b>MATERIAL DESCRIPTION</b>	<b>ASBESTOS CONTENT</b>
SC-007 A	Office	Silver Coated Backing @ Rolled Fiberglass	NAD
SC-007 B	Office	Silver Coated Backing @ Rolled Fiberglass	NAD
FG-008 A	Office	Brown Fiberglass Board	NAD
FG-008 B	Office	Brown Fiberglass Board	NAD

**Table Notes:**

NAD = No Asbestos Detected

***Asbestos Bulk Sample Summary*** – By regulatory definition, any building material containing greater than one percent (1%) asbestos must be considered to be an asbestos-containing material (ACM). None of the materials sampled were found to be asbestos-containing materials, the laboratory results have been included in Attachment B of this report.

**OSHA Compliance** – It should be noted that the Occupational Safety & Health Administration (OSHA) Asbestos Standard (29 CFR 1926.1101) has a definition for both "asbestos" and "asbestos-containing material." Under OSHA Asbestos Standard, the definition of asbestos covers all materials containing any concentration of detected asbestos, including those with concentrations less than or equal to one percent asbestos. Although work operations conducted in areas where a material contains less than or equal to one percent asbestos is an "unclassified" operation, the employer still must follow the requirements of 29 CFR 1926.1101(g) (1) [except (g) (1) (i)], (g) (2) and (g) (3) that describe engineering and work practice controls operations to prevent unnecessary asbestos exposures to their employees (worker protection regulations).

### **3.0 CONCLUSION**

We have attached copies of Arctic Enterprises certifications, to this report. In the event that you have any questions or comments pertaining to this project, please contact our office (315) 476-1757. We appreciate the opportunity to work with you on this project.

## **ATTACHMENT A**

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### **ARCTIC'S COMPANY LICENSE AND PERSONNEL CERTIFICATION**

**New York State – Department of Labor**

Division of Safety and Health  
License and Certificate Unit  
State Campus, Building 12  
Albany, NY 12240

**ASBESTOS HANDLING LICENSE**

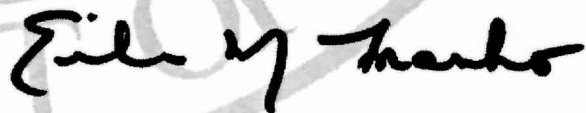
Arctic Enterprises, Inc.  
Ste 201  
222 Teall Ave  
  
Syracuse, NY 13210

FILE NUMBER:  
LICENSE NUMBER: 75469  
LICENSE CLASS: FULL  
DATE OF ISSUE: 03/18/2015  
EXPIRATION DATE: 03/31/2016

Duly Authorized Representative – Janette Van Wie:

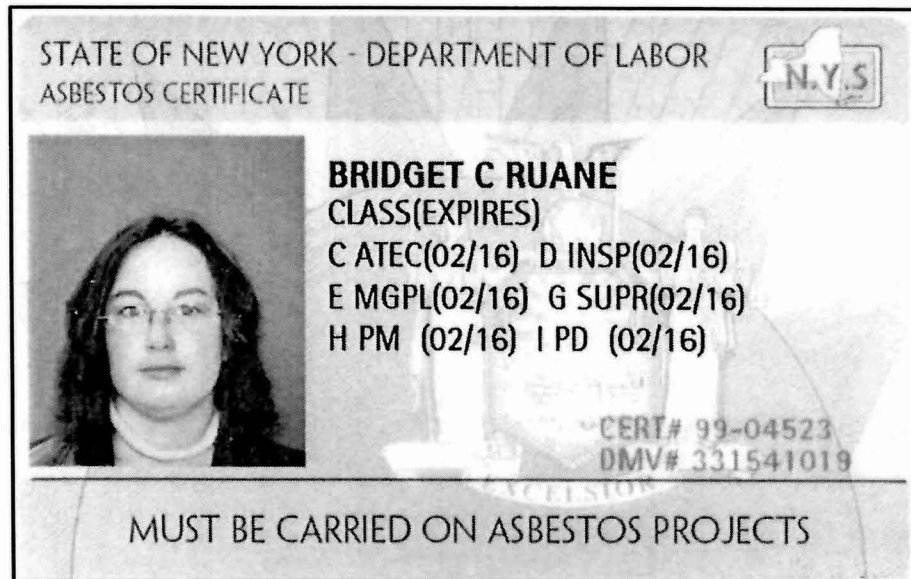
This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.



Eileen M. Franko, Director  
For the Commissioner of Labor

## ASBESTOS CERTIFICATION



The following letter codes (as shown on the handling certificate) represent the corresponding asbestos classifications.

A - Asbestos Handler	D - Asbestos Inspector	G - Asbestos Supervisor
B - Allied Trades	E - Management Planner	H - Asbestos Project Monitor
C - Air Sampling Technician	F - Operations & Maintenance	I - Asbestos Project Designer



## **ATTACHMENT B**

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### **ASBESTOS BULK SAMPLE LABORATORY RESULTS**

Client Name: Arctic Enterprises, Inc.

**Table I**  
**Summary of Bulk Asbestos Analysis Results**  
 1500.211; WSTM; 3623 Sentinell Heights Rd., Lafayette, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	JC-001A	001	---	---	---	---	NAD	NA
	Location: Fan Rm. - East Wall - Joint Compound							
02	JC-001B	001	---	---	---	---	NAD	NA
	Location: Fan Rm. - East Wall - Joint Compound							
03	SR-002A	002	---	---	---	---	NAD	NA
	Location: Fan Rm. - East Wall - Sheetrock							
04	SR-002B	002	---	---	---	---	NAD	NA
	Location: Fan Rm. - East Wall - Sheetrock							
05	BINS-003A	003	---	---	---	---	NAD	NA
	Location: Kitchen - Within Walls - Blown-In Insulation							
06	BINS-003B	003	---	---	---	---	NAD	NA
	Location: Kitchen - Within Walls - Blown-In Insulation							
07	BINS-003C	003	---	---	---	---	NAD	NA
	Location: Kitchen - Within Walls - Blown In Insulation							
08	CT-004A	004	0.314	91.4	3.5	5.1	NAD	NAD
	Location: Office - North Wall - 1' x 1' Pinholed Ceiling Tile							
09	CT-004B	004	0.211	90.0	3.8	6.2	NAD	NAD
	Location: Office - North Wall - 1' x 1' Pinholed Ceiling Tile							
10	MAS-005A	005	0.282	90.4	8.2	1.4	NAD	NAD
	Location: Storage Rm. - South - Black Mastic @ Rolled Fiberglass							
11	MAS-005B	005	0.171	96.5	1.8	1.8	NAD	NAD
	Location: Storage Rm. - South - Black Mastic @ Rolled Fiberglass							
12	FTMAS-006A	006	0.098	85.7	6.1	8.2	NAD	NAD
	Location: Office - Black Floor Tile Mastic							
13	FTMAS-006B	006	0.084	83.3	10.7	6.0	NAD	NAD
	Location: Office - Black Floor Tile Mastic							
14	SC-007A	007	0.246	74.8	22.4	2.8	NAD	NAD
	Location: Office - Silver Coated Backing @ Rolled FG							
15	SC-007B	007	0.202	65.3	31.2	3.5	NAD	NAD
	Location: Office - Silver Coated Backing @ Rolled FG							
16	FG-008A	008	---	---	---	---	NAD	NA
	Location: Office - Brown Fiberglass Board							

See Reporting notes on last page

Client Name: Arctic Enterprises, Inc.

**Table I**  
**Summary of Bulk Asbestos Analysis Results**  
1500.211; WSTM; 3623 Sentinell Heights Rd., Lafayette, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	FG-008B	008	---	---	---	---	NAD	NA
Location: Office - Brown Fiberglass Board								

Analyzed by: Paul J. Mucha ; Date Analyzed 9/22/2015

\*\*Quantitative Analysis (Semi/Full) Bulk Asbestos Analysis - PLM by EPA 600/M4-82-020 per 40 CFR or ELAP 198.1 for New York friable samples or ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation) or ELAP 198.4; for New York samples; NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses): NVLAP 200546-0, NYSDOH ELAP Lab 11480, AIHA Lab 102843.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).

Reviewed By: 

**AmeriSci New York**117 EAST 30TH ST.  
NEW YORK, NY 10016

TEL: (212) 679-8600 • FAX: (212) 679-3114

**PLM Bulk Asbestos Report**Arctic Enterprises, Inc.  
Attn: Janette Van Wie  
222 Teall Avenue  
Suite 201  
Syracuse, NY 13210**Date Received** 09/17/15    **AmeriSci Job #** 215093007  
**Date Examined** 09/21/15    **P.O. #**  
**ELAP #** 11480    **Page** 1 of 4  
**RE:** 1500.211; WSTM; 3623 Sentinell Heights Rd., Lafayette, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
JC-001A 001 Location: Fan Rm. - East Wall - Joint Compound	215093007-01	No	NAD (by NYS ELAP 198.1) by Karol H. Lu on 09/21/15
<b>Analyst Description:</b> White, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
JC-001B 001 Location: Fan Rm. - East Wall - Joint Compound	215093007-02	No	NAD (by NYS ELAP 198.1) by Karol H. Lu on 09/21/15
<b>Analyst Description:</b> White, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
SR-002A 002 Location: Fan Rm. - East Wall - Sheetrock	215093007-03	No	NAD (by NYS ELAP 198.1) by Karol H. Lu on 09/21/15
<b>Analyst Description:</b> White, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Cellulose 2 %, Non-fibrous 98 %			
SR-002B 002 Location: Fan Rm. - East Wall - Sheetrock	215093007-04	No	NAD (by NYS ELAP 198.1) by Karol H. Lu on 09/21/15
<b>Analyst Description:</b> Brown/White, Heterogeneous, Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Cellulose 15 %, Non-fibrous 85 %			
BINS-003A 003 Location: Kitchen - Within Walls - Blown-In Insulation	215093007-05	No	NAD (by NYS ELAP 198.1) by Karol H. Lu on 09/21/15
<b>Analyst Description:</b> Brown/White, Heterogeneous, Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Cellulose 85 %, Synthetic fibers 10 %, Non-fibrous 5 %			

**PLM Bulk Asbestos Report**

1500.211; WSTM; 3623 Sentinell Heights Rd., Lafayette, NY

<b>Client No. / HGA</b>	<b>Lab No.</b>	<b>Asbestos Present</b>	<b>Total % Asbestos</b>
BINS-003B 003	215093007-06 <b>Location:</b> Kitchen - Within Walls - Blown-In Insulation	<b>No</b>	<b>NAD</b> (by NYS ELAP 198.1) by Karol H. Lu on 09/21/15
<b>Analyst Description:</b> Brown/White, Heterogeneous, Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Cellulose 90 %, Synthetic fibers 5 %, Non-fibrous 5 %			
BINS-003C 003	215093007-07 <b>Location:</b> Kitchen - Within Walls - Blown In Insulation	<b>No</b>	<b>NAD</b> (by NYS ELAP 198.1) by Karol H. Lu on 09/21/15
<b>Analyst Description:</b> Brown/White, Heterogeneous, Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Cellulose 85 %, Synthetic fibers 10 %, Non-fibrous 5 %			
CT-004A 004	215093007-08 <b>Location:</b> Office - North Wall - 1' x 1' Pinholed Ceiling Tile	<b>No</b>	<b>NAD</b> (by NYS ELAP 198.6) by Karol H. Lu on 09/21/15
<b>Analyst Description:</b> Light Brown, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 5.1 %			
CT-004B 004	215093007-09 <b>Location:</b> Office - North Wall - 1' x 1' Pinholed Ceiling Tile	<b>No</b>	<b>NAD</b> (by NYS ELAP 198.6) by Karol H. Lu on 09/21/15
<b>Analyst Description:</b> Light Brown, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 6.2 %			
MAS-005A 005	215093007-10 <b>Location:</b> Storage Rm. - South - Black Mastic @ Rolled Fiberglass	<b>No</b>	<b>NAD</b> (by NYS ELAP 198.6) by Karol H. Lu on 09/21/15
<b>Analyst Description:</b> Brown/Black, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 1.4 %			
MAS-005B 005	215093007-11 <b>Location:</b> Storage Rm. - South - Black Mastic @ Rolled Fiberglass	<b>No</b>	<b>NAD</b> (by NYS ELAP 198.6) by Karol H. Lu on 09/21/15
<b>Analyst Description:</b> Brown/Black, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 1.8 %			

**PLM Bulk Asbestos Report**

1500.211; WSTM; 3623 Sentinell Heights Rd., Lafayette, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
FTMAS-006A 006	215093007-12 Location: Office - Black Floor Tile Mastic	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 09/21/15
<b>Analyst Description:</b> Black, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 8.2 %			
FTMAS-006B 006	215093007-13 Location: Office - Black Floor Tile Mastic	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 09/21/15
<b>Analyst Description:</b> Black, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 6 %			
SC-007A 007	215093007-14 Location: Office - Silver Coated Backing @ Rolled FG	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 09/21/15
<b>Analyst Description:</b> Silver/Black, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 2.8 %			
SC-007B 007	215093007-15 Location: Office - Silver Coated Backing @ Rolled FG	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 09/21/15
<b>Analyst Description:</b> Silver/Black, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 3.5 %			
FG-008A 008	215093007-16 Location: Office - Brown Fiberglass Board	No	NAD (by NYS ELAP 198.1) by Karol H. Lu on 09/21/15
<b>Analyst Description:</b> Brown, Homogeneous, Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Cellulose 15 %, Fibrous glass 70 %, Non-fibrous 15 %			
FG-008B 008	215093007-17 Location: Office - Brown Fiberglass Board	No	NAD (by NYS ELAP 198.1) by Karol H. Lu on 09/21/15
<b>Analyst Description:</b> Brown, Homogeneous, Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Cellulose 15 %, Fibrous glass 70 %, Non-fibrous 15 %			

## PLM Bulk Asbestos Report

1500.211; WSTM; 3623 Sentinell Heights Rd., Lafayette, NY

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### Reporting Notes:

Analyzed by: Karol H. Lu 

\*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite or 198.6 for NOB samples or EPA 400 pt ct by EPA 600/M4-82-020 (NY ELAP Lab 11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab. This PLM report relates ONLY to the items tested. AIHA-LAP, LLC Lab ID 102843, RI Cert AAL-094, CT Cert PH-0186, Mass Cert AA000054.

Reviewed By:  \_\_\_\_\_ END OF REPORT \_\_\_\_\_

Sampled By: <i>Dz</i>	Date: <i>9/16/15</i>	No. of Samples <i>1717</i>
Shipped By:	Page	
Received By Lab: <i>Amberwebster</i>	Date: <i>9/17/15</i>	<i>1203</i>
Results e-mailed By:	Date:	



COLLAPSED GARAGE WITH PRESUMED ACM NON-FRIABLE ROOFING

**BUILDING #4 SCOPE OF WORK:**

- ABATE SUSPECT NON-FRIABLE ACM/PACM PER SSV. SORT AND DECONTAMINATE NON-POROUS MATERIALS FOR DISPOSAL AS C&D.

VERMICULITE CONTAINING COLLAPSED 2-STORY HOUSE

**BUILDING #2 SCOPE OF WORK:**

- ABATE ENTIRE BUILDING AS PACM IN ACCORDANCE WITH CONTROLLED DEMOLITION AND SSV (ALLOW DECON. OF NON-POROUS MATERIALS). REQUIRES DISPOSAL AS PACM.
- INFILL FOUNDATION

PARTIALLY COLLAPSED OUTBUILDING WITH PRESUMED ACM NON-FRIABLE ROOFING AND DEBRIS

**BUILDING #3 SCOPE OF WORK:**

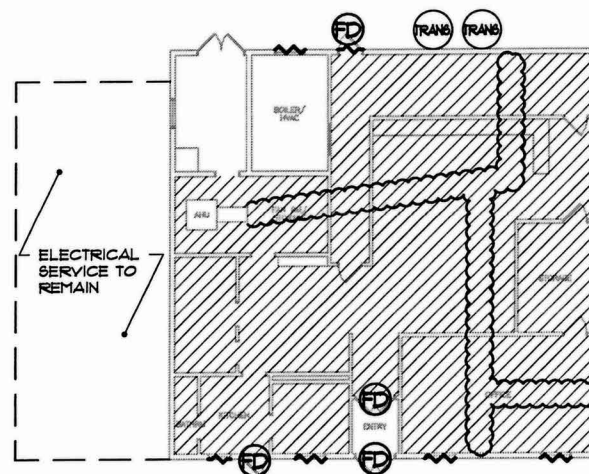
- ABATE SUSPECT ACM/PACM PER SSV. SORT AND DECONTAMINATE NON-POROUS MATERIALS FOR DISPOSAL AS C&D.

260 SF. DEBRIS FIELD

**SCOPE OF WORK:**

- REMOVE SUSPECT DEBRIS (PACM) WITHIN RESTRICTED AREA (SIGNAGE AND BARRIER) PER SSV.

NEW TRANSMITTER BUILDING (NO WORK) POWER/WATER SOURCE



**BUILDING #1 TRANSMITTER STATION**

**SCOPE OF WORK:**

- ABATE FRIABLE ACM AND PACM.
- COLLECT AND DISPOSE OF SUSPECT HAZARDOUS CHEMICALS, CLEANING PRODUCTS, FIRE EXTINGUISHERS, BULBS, BALLASTS, ETC.
- DEMOLISH BUILDING WITH NON-FRIABLE ACM AND PACM IN-PLACE UNDER SSV.
- CRACK SLAB AND INFILL OPENING.

**LEGEND:**

- ASBESTOS-CONTAINING DUCT INSULATION (180 SF.)
- ASBESTOS-CONTAINING FLOOR TILE (1500 SF.) AND TRANSITE WALLS/CEILINGS (5100 SF.)
- PRESUMED ASBESTOS-CONTAINING FIRE DOORS (240 SF.)
- PRESUMED ASBESTOS-CONTAINING WINDOW CAULK/GLAZING (2 SF.)
- PRESUMED ASBESTOS-CONTAINING ELECTRICAL COMPONENTS (200 SF.)

**Arctic**  
ENTERPRISES, INC.

Arctic Project No. 1500.211

Date: APR. 2016

Scale: None

WSTM - Lafayette Site (4 Buildings)

3623 Sentinell Heights Road  
Lafayette, New York

Site Plan

Arctic Enterprises Inc.  
222 Teall Avenue, Suite 201 Syracuse, NY  
Phone: (315) 476-1757, Fax: (315) 476-1764

FIGURE

1